Agency	**Safety Management System**
	Collision Work Sheet

Prepared By	Date

Study Location	Beg. MP	Ending MP	Study Period
			T = Yrs.

Location Data (Check all appropriate boxes.)

☐ Urban	☐ Principal Arterial	☐ One-Way	☐ 1-Lane	☐ Multi-Lane	☐ Non-I/S
☐ Rural	☐ Minor Arterial	☐ Two Way	☐ 2-Lane	☐ Park 1 Side	☐ I/S
	☐ Collector	☐ Lt-Turns Okay	☐ 4-Lane	☐ Park 2 Side	☐ I/S Stop Sign
	☐ Local Access	☐ Lt-Turn Lane			☐ I/S Signal

Collision Count Data

	No. of Fatal Accidents		No. of Injury Accidents		No. Fatal and Injury Accidents		No. PDO Accidents		
Current Year		+		=					
1-Year Fatal		+		=					
2-Year Fatal		+		=					
3-Year Fatal		+		=					
4-Year Fatal		+		=					
5-Year Fatal		+		=					
Total		+		=		+		=	
	Total F		**Total I**		**Total F&I**		**Total PDO**		**Total Collisions**
		+		=		+		=	
	Avg. Annual F		**Avg. Annual I**		**Avg. Annual F&I**		**Avg. Annual PDO**		**Tot. Annual Collisions**

Collision Types Summary *(No. in each category)*

Rt Angle	_____	**Observation Notes**
Side Swipe - Opp.	_____	
Side Swipe - Same	_____	
Rear End	_____	
Head On	_____	
Approach Turn	_____	
Fixed Object	_____	
Backing	_____	
Bike/Ped	_____	
Other _____	_____	

Traffic Exposure and Collision Rate

Choose One	Major Rdwy, ADT V1		Minor Rdwy, ADT V2		Total ADT * V		Section Length		Study Period	**Traffic Exp., M**
☐ Intersection							**1**			
☐ Spot Location		+	0	=		x	1	x 0.000365 x		=
☐ Section			0							

	1/M		Total Collisions		**Collision Rate, R**
		x		=	

*Note: ADT is the average traffic entering the study location. This can be assumed to be the sum of the ADT on each leg divided by 2.

Systemwide Coll. Rate, R_a

Critical Coll. Rate, Rc

$$R_a + 2.0 \times \sqrt{\left(\boxed{}_{R_a} \times \boxed{}_{1/M} \right) - \left(0.5 \times \boxed{}_{1/M} \right)} = \boxed{}$$

Does this location exceed the Critical Factor?   ☐ **No** ☐ **Yes**